Los Angeles Trade Tech. Jr. College
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86 9/10 ELECTRONICS TECHNICIAN Name AGUSTIN LUCAS
Date JAN-30-57

Examination--Electronics Math.

Slide rule accuracy permissable.

Express the following answers in a number between 1 and 10 times the proper power of ten.

1. .60025 $= 2.5 \times 10^{-4}$
2. 134,000. $= 1.34 \times 10^{5}$
3. 10 10×10^{1}
4. $6 \times .0056 \times 10^{-4} = 3.36 \times 10^{-6}$
5. $\frac{68.0 \times 10^{4}}{378 \times .0047} = 3.77 \times 10^{5}$
6. $\frac{1}{4 \times 10^{11}} = 2.5 \times 10^{-2}$ X
7. $\sqrt{9 \times 10^{4}} = 9.48$ X
8. $(3.926 \times 10^{-5}) + (415.6 \times 10^{3}) = 4.16 \times 10^{5}$
9. Express in farads .005 mfd. $= 5 \times 10^{-9}$
10. What is the mantissa of the logarithm 2.3145? $= 3.145 \times 10^{-1}$
11. What is the characteristic of the logarithm 3.4672? $= 3$
12. What is the logarithm of 10,000? $= 4$
13. What is the logarithm of 2.11? $= 0.3243$
14. Whatiis the logarithm of 8314? $= 3.9200$
15. What is the logarithm of .0635? $= 8.8028 - 10$

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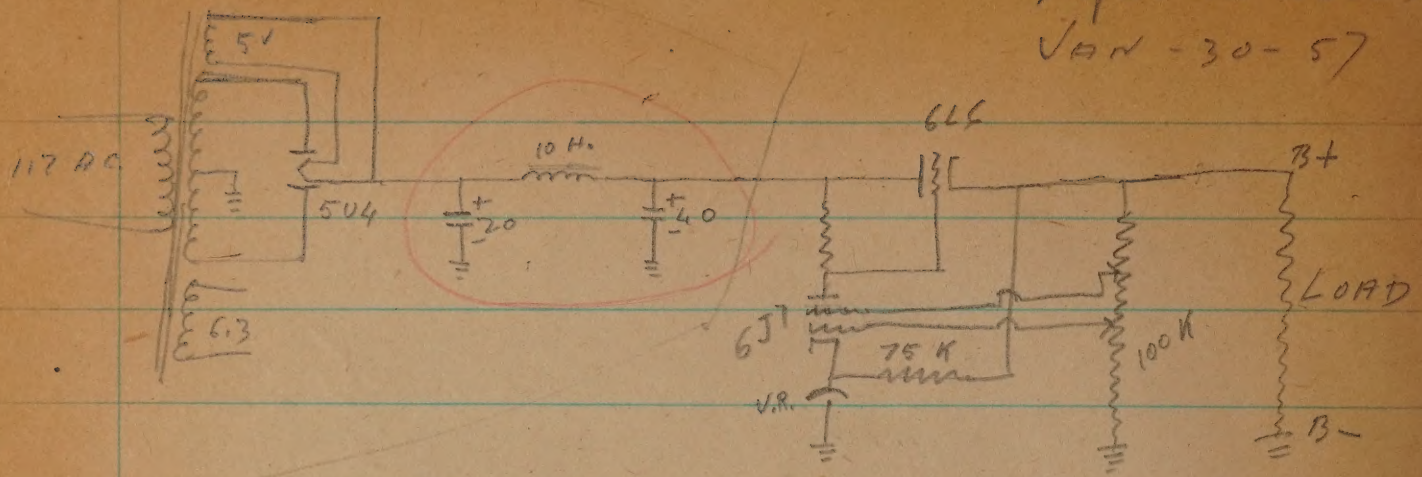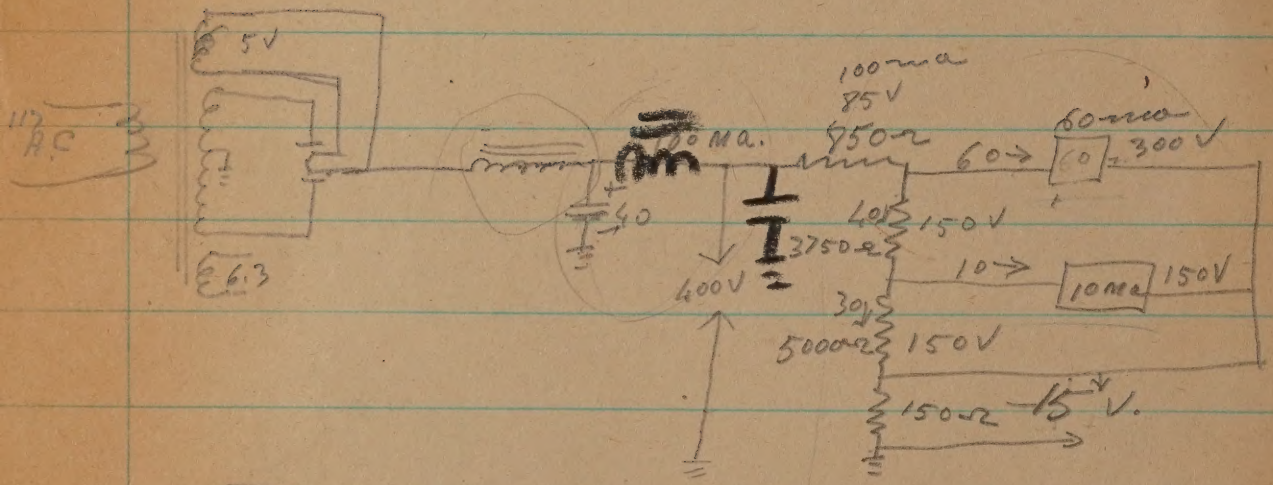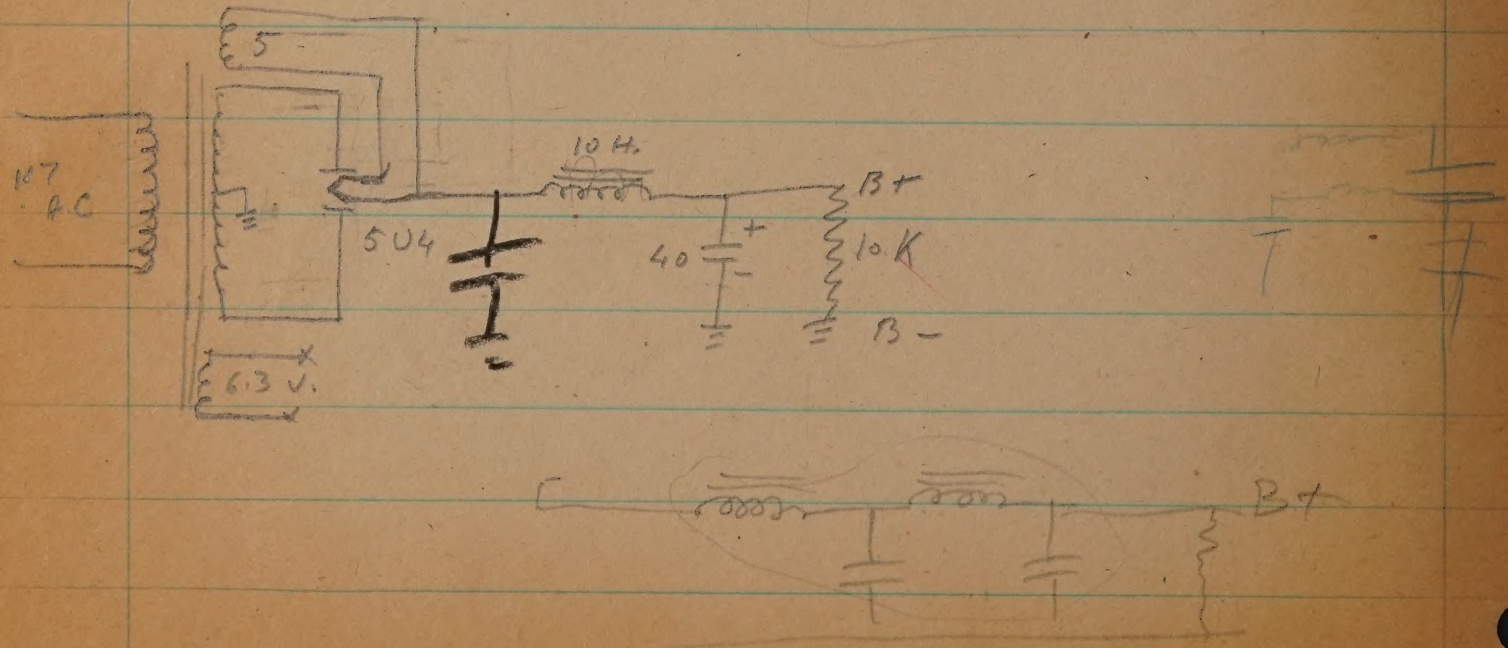
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